

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATT. DOCKET NO. 10365/6501		SERIAL NO. 09/202,359	
INFORMATION DISCLOSURE LIST (Use several sheets if necessary)		APPLICANT ARAD, Dorit, et al.			
		FILING DATE 5/21/1999		GROUP 1653	

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>DL</i>	AA	5	2	7	6	0	5	8	01/04/94	Satoh, T. et al.	<del>514</del> 514	<del>311/95</del> 646	06/09/1993
<i>DL</i>	AB	5	3	2	4	7	4	3	06/28/94	Dillard, R.D. et al.	<del>514</del> 514	<del>311/95</del> 956	12/10/1992
<i>DL</i>	AC	5	5	1	4	7	7	8	05/07/96	Hammond, M. et al.	<del>530</del> 530	<del>311/95</del> 333	07/01/1993
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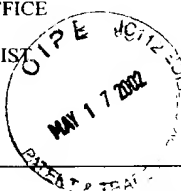
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<i>X</i>	AN	0	0	2	1	0	0	0	01/07/81	EP	C07C	49/248		
<i>X</i>	AO	0	0	5	1	8	1	9	05/19/82	EP	C07C	49/84		abstract only
<i>X</i>	AP	0	1	4	9	2	4	2	07/24/85	EP	A61K	31/15		

(Including Author, Title, Date, Pertinent Pages, Etc.).

<i>DL</i>	AR	Ando, R. & Isaka, Y., 1993. "A new class of proteinase inhibitor. Cyclopropanone-containing inhibitor of papain," <i>J. Am. Chem. Soc.</i> 115:1174-1175
<i>DL</i>	AS	Arad, D., et al., 1990. "A simulation of the sulfur attack in the catalytic pathway for papain using molecular mechanics and semiempirical quantum mechanics," <i>J. Am. Chem. Soc.</i> 112:491-502
<i>DL</i>	AT	Arad, D. et al., 1993. "Structural and mechanistic aspects of 3C proteases from the picornavirus family," <i>J. Chem. Inf. Comput. Sci.</i> 33:345-349

EXAMINER	<i>David L. H.</i>	DATE CONSIDERED	8/1/02
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X BO 58 0 1 5 9 3 7	01/29/83	Japan (KOKAI SHO)	C07C	49/82							
X BP 61 0 9 1 1 2 0	05/09/86	Japan (KOKAI SHO)	A61K	31/12	abstract only						

(Including Author, Title, Date, Pertinent Pages, Etc.).		
BR	Asboth, B. and Polgar, L., 1983. "Transition-state stabilization at the oxyanion binding sites of serine and thiol proteinases: hydrolyses of thiono and oxygen esters," <i>Biochemistry</i> . 22:117-122	
BS	Bromme, D., et al., 1996. "Peptidyl vinyl sulphones: a new class of potent and selective cysteine protease inhibitors," <i>Biochem. J.</i> 315:85-89	
BT	Cordingley, et al. 1990. "Substrate requirements of human rhinovirus 3C protease for peptide cleavage in vitro," <i>J Biol Chem</i> 265:9062-9065	

EXAMINER <i>David L. ...</i>	DATE CONSIDERED <i>8/1/02</i>
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X	CP	63 2 9 0 8 3 8	11/28/88	Japan (KOKAI SHO)	C07C	49/84	abstract only	

(Including Author, Title, Date, Pertinent Pages, Etc.).

DR	CR	De Meyer, N., et al., 1991. "4'-Hydroxy-3-methoxyflavones with potent antipicornavirus activity," <i>J. Med. Chem.</i> 34(2):736-746
DR	CS	Greenaway, W., et al., 1992 "Analysis of phenolics of bud exudates of <i>Populus koreana</i> , <i>Populus maximowiczii</i> , and <i>Populus suaveolens</i> by GC-MS," <i>Z. Naturforsch.</i> 47c:313-317
DR	CT	Kreisberg, R. et al., 1995 "Mechanistic and structural features of the picornaviral 3C protease," <i>Organic Reactivity: Physical and Biological Aspects.</i> p. 110-122

EXAMINER	David L. L. L.	DATE CONSIDERED	8/1/02
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<i>DP</i>	DP	0 1 8 9 1 4 1	08/26/80	New Zealand				

(Including Author, Title, Date, Pertinent Pages, Etc.).

<i>DR</i>	DR	Lau, C.K., et al., 1989. "Synthesis and structure-activity relationships of a novel class of 5-lipoxygenase inhibitors. 2-(Phenylmethyl)-4-hydroxy-3,5-dialkylbenzofurans: The development of L-656,224," <i>J. Med. Chem.</i> 32(6):1190-1197
<i>DS</i>	DS	Lin, Y. and Welsh, W.J., 1996. "Molecular modeling of substrate-enzyme reactions for the cysteine protease papain," <i>J. Molecular Graphics.</i> 14:62-72
<i>DT</i>	DT	Looker, J.H., et al., 1984. "5,8-Quinoflavone. Synthesis and addition reactions," <i>J. Org. Chem.</i> 49(4):645-649

EXAMINER	<i>David Little</i>	DATE CONSIDERED	8/1/02
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


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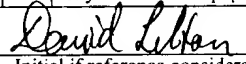
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(Including Author, Title, Date, Pertinent Pages, Etc.).

	ER	Masento, M.S., et al., 1988. "Differentiation-inducing factor from the slime mould <i>Dictyostelium discoideum</i> and its analogs," <i>Biochem. J.</i> 256:23-28
	ES	Matthews, et al., 1994. "Structure of human rhinovirus 3 protease reveals a trypsin-like polypeptide fold, RNA-binding site, and means for cleaving precursor polypeptide," <i>Cell.</i> 77(5):761-771
	ET	Menard, R. et al., 1991. "Contribution of the glutamine 19 side-chain to transition-state stabilization in the oxyanion hole of papain," <i>Biochemistry.</i> 30:8924-8928

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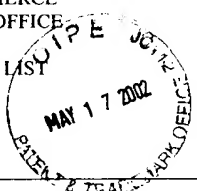
(Including Author, Title, Date, Pertinent Pages, Etc.).

FR	Morandini, P., et al., 1995. "The proximal pathway of metabolism of the chlorinated signal molecule differentiation-inducing factor -1 (DIF-1) in the cellular slime mould <i>Dictyostelium</i> ,"
	<i>Biochemical Journal</i> . 306:735-743
FS	Polgar, L. and Asboth, B., 1986. "The basic difference in catalyses by serine and cysteine proteinases resides in charge stabilization in the transition state," <i>J. Theor. Biol.</i> 121:323-326
FT	Rasnick, D. 1996. "Small synthetic inhibitors of cysteine proteases,"
	<i>Perspectives in Drug Discovery and Design</i> . 6:47-63

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<i>DS</i>	GR	Schroder, E., et al., 1993. "X-ray crystallographic structure of a papain-leupeptin complex,"
		<i>FEBS Lett.</i> 315:38-42
<i>SL</i>	GS	Shokhen, M. and Arad, D., 1996. "The source for the difference between sulfhydryl and hydroxyl anions in their
		nucleophilic addition reaction to a carbonyl group: A DFT approach," <i>J. Molecular Model.</i> 2:399-409
<i>SL</i>	GT	Storer, A. C. and Menard, R., 1994. "Catalytic mechanism in papain family of cysteine peptidases,"
		<i>Methods Enzymol.</i> 244:486-500

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
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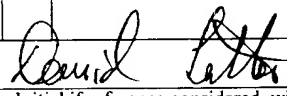
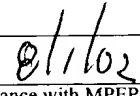
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(Including Author, Title, Date, Pertinent Pages, Etc.).

	HR	Vernet, T., et al., 1995. "Structural and functional roles of asparagine 175 in the cysteine protease papain," <i>J. Biol Chem.</i> 270:16645-16652
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